

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2009; month=9; day=29; hr=11; min=1; sec=16; ms=246;]

=====

Application No: 10537757

Version No: 1.0

Input Set:

Output Set:

Started: 2009-09-22 10:41:19.000

Finished: 2009-09-22 10:41:23.151

Elapsed: 0 hr(s) 0 min(s) 4 sec(s) 151 ms

Total Warnings: 23

Total Errors: 0

No. of SeqIDs Defined: 33

Actual SeqID Count: 33

| Error code | Error Description |
|------------|---|
| W 213 | Artificial or Unknown found in <213> in SEQ ID (6) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (7) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (8) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (9) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (10) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (11) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (12) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (18) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (19) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (20) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (21) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (22) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (23) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (24) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (25) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (26) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (27) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (28) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (29) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (30) |

Input Set:

Output Set:

Started: 2009-09-22 10:41:19.000
Finished: 2009-09-22 10:41:23.151
Elapsed: 0 hr(s) 0 min(s) 4 sec(s) 151 ms
Total Warnings: 23
Total Errors: 0
No. of SeqIDs Defined: 33
Actual SeqID Count: 33

Error code

Error Description

This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> Xiao, Zhi-Cheng

<120> Materials and Methods Relating to the Treatment of Injury and Disease to the Central Nervous System

<130> 0380-P03638US00

<140> 10537757

<141> 2009-09-22

<150> PCT/GB03/005329

<151> 2003-12-05

<150> US 60/431,549

<151> 2002-12-06

<150> US 60/480,138

<151> 2003-06-20

<160> 33

<170> PatentIn version 3.1

<210> 1

<211> 1192

<212> PRT

<213> Homo sapiens

<400> 1

Met Glu Asp Leu Asp Gln Ser Pro Leu Val Ser Ser Ser Asp Ser Pro
1 5 10 15

Pro Arg Pro Gln Pro Ala Phe Lys Tyr Gln Phe Val Arg Glu Pro Glu
20 25 30

Asp Glu Glu Glu Glu Glu Glu Glu Glu Glu Asp Glu Asp Glu Asp
35 40 45

Leu Glu Glu Leu Glu Val Leu Glu Arg Lys Pro Ala Ala Gly Leu Ser
50 55 60

Ala Ala Pro Val Pro Thr Ala Pro Ala Ala Gly Ala Pro Leu Met Asp

| | | | | | | |
|---|-----|----|--|-----|--|-----|
| 65 | | 70 | | 75 | | 80 |
| Phe Gly Asn Asp Phe Val Pro Pro Ala Pro Arg Gly Pro Leu Pro Ala | | | | | | |
| | 85 | | | 90 | | 95 |
| Ala Pro Pro Val Ala Pro Glu Arg Gln Pro Ser Trp Asp Pro Ser Pro | | | | | | |
| | 100 | | | 105 | | 110 |
| Val Ser Ser Thr Val Pro Ala Pro Ser Pro Leu Ser Ala Ala Ala Val | | | | | | |
| | 115 | | | 120 | | 125 |
| Ser Pro Ser Lys Leu Pro Glu Asp Asp Glu Pro Pro Ala Arg Pro Pro | | | | | | |
| | 130 | | | 135 | | 140 |
| Pro Pro Pro Pro Ala Ser Val Ser Pro Gln Ala Glu Pro Val Trp Thr | | | | | | |
| | 145 | | | 150 | | 155 |
| Pro Pro Ala Pro Ala Pro Ala Ala Pro Pro Ser Thr Pro Ala Ala Pro | | | | | | |
| | 165 | | | 170 | | 175 |
| Lys Arg Arg Gly Ser Ser Gly Ser Val Asp Glu Thr Leu Phe Ala Leu | | | | | | |
| | 180 | | | 185 | | 190 |
| Pro Ala Ala Ser Glu Pro Val Ile Arg Ser Ser Ala Glu Asn Met Asp | | | | | | |
| | 195 | | | 200 | | 205 |
| Leu Lys Glu Gln Pro Gly Asn Thr Ile Ser Ala Gly Gln Glu Asp Phe | | | | | | |
| | 210 | | | 215 | | 220 |
| Pro Ser Val Leu Leu Glu Thr Ala Ala Ser Leu Pro Ser Leu Ser Pro | | | | | | |
| | 225 | | | 230 | | 235 |
| Leu Ser Ala Ala Ser Phe Lys Glu His Glu Tyr Leu Gly Asn Leu Ser | | | | | | |
| | 245 | | | 250 | | 255 |
| Thr Val Leu Pro Thr Glu Gly Thr Leu Gln Glu Asn Val Ser Glu Ala | | | | | | |
| | 260 | | | 265 | | 270 |
| Ser Lys Glu Val Ser Glu Lys Ala Lys Thr Leu Leu Ile Asp Arg Asp | | | | | | |
| | 275 | | | 280 | | 285 |
| Leu Thr Glu Phe Ser Glu Leu Glu Tyr Ser Glu Met Gly Ser Ser Phe | | | | | | |
| | 290 | | | 295 | | 300 |
| Ser Val Ser Pro Lys Ala Glu Ser Ala Val Ile Val Ala Asn Pro Arg | | | | | | |
| | 305 | | | 310 | | 315 |
| Glu Glu Ile Ile Val Lys Asn Lys Asp Glu Glu Glu Lys Leu Val Ser | | | | | | |
| | 325 | | | 330 | | 335 |
| Asn Asn Ile Leu His Asn Gln Gln Glu Leu Pro Thr Ala Leu Thr Lys | | | | | | |
| | 340 | | | 345 | | 350 |
| Leu Val Lys Glu Asp Glu Val Val Ser Ser Glu Lys Ala Lys Asp Ser | | | | | | |
| | 355 | | | 360 | | 365 |
| Phe Asn Glu Lys Arg Val Ala Val Glu Ala Pro Met Arg Glu Glu Tyr | | | | | | |

| | | | | | |
|---|-----|-----|-----|-----|-----|
| 370 | | 375 | | 380 | |
| Ala Asp Phe Lys Pro Phe Glu Arg Val Trp Glu Val Lys Asp Ser Lys | | | | | |
| 385 | | 390 | | 395 | 400 |
| Glu Asp Ser Asp Met Leu Ala Ala Gly Gly Lys Ile Glu Ser Asn Leu | | | | | |
| | 405 | | 410 | | 415 |
| Glu Ser Lys Val Asp Lys Lys Cys Phe Ala Asp Ser Leu Glu Gln Thr | | | | | |
| | 420 | | 425 | | 430 |
| Asn His Glu Lys Asp Ser Glu Ser Ser Asn Asp Asp Thr Ser Phe Pro | | | | | |
| | 435 | | 440 | | 445 |
| Ser Thr Pro Glu Gly Ile Lys Asp Arg Pro Gly Ala Tyr Ile Thr Cys | | | | | |
| | 450 | | 455 | | 460 |
| Ala Pro Phe Asn Pro Ala Ala Thr Glu Ser Ile Ala Thr Asn Ile Phe | | | | | |
| 465 | | 470 | | 475 | 480 |
| Pro Leu Leu Gly Asp Pro Thr Ser Glu Asn Lys Thr Asp Glu Lys Lys | | | | | |
| | 485 | | 490 | | 495 |
| Ile Glu Glu Lys Lys Ala Gln Ile Val Thr Glu Lys Asn Thr Ser Thr | | | | | |
| | 500 | | 505 | | 510 |
| Lys Thr Ser Asn Pro Phe Leu Val Ala Ala Gln Asp Ser Glu Thr Asp | | | | | |
| | 515 | | 520 | | 525 |
| Tyr Val Thr Thr Asp Asn Leu Thr Lys Val Thr Glu Glu Val Val Ala | | | | | |
| | 530 | | 535 | | 540 |
| Asn Met Pro Glu Gly Leu Thr Pro Asp Leu Val Gln Glu Ala Cys Glu | | | | | |
| 545 | | 550 | | 555 | 560 |
| Ser Glu Leu Asn Glu Val Thr Gly Thr Lys Ile Ala Tyr Glu Thr Lys | | | | | |
| | 565 | | 570 | | 575 |
| Met Asp Leu Val Gln Thr Ser Glu Val Met Gln Glu Ser Leu Tyr Pro | | | | | |
| | 580 | | 585 | | 590 |
| Ala Ala Gln Leu Cys Pro Ser Phe Glu Glu Ser Glu Ala Thr Pro Ser | | | | | |
| | 595 | | 600 | | 605 |
| Pro Val Leu Pro Asp Ile Val Met Glu Ala Pro Leu Asn Ser Ala Val | | | | | |
| | 610 | | 615 | | 620 |
| Pro Ser Ala Gly Ala Ser Val Ile Gln Pro Ser Ser Ser Pro Leu Glu | | | | | |
| 625 | | 630 | | 635 | 640 |
| Ala Ser Ser Val Asn Tyr Glu Ser Ile Lys His Glu Pro Glu Asn Pro | | | | | |
| | 645 | | 650 | | 655 |
| Pro Pro Tyr Glu Glu Ala Met Ser Val Ser Leu Lys Lys Val Ser Gly | | | | | |
| | 660 | | 665 | | 670 |
| Ile Lys Glu Glu Ile Lys Glu Pro Glu Asn Ile Asn Ala Ala Leu Gln | | | | | |

| | | |
|---|-----|-----|
| 675 | 680 | 685 |
| Glu Thr Glu Ala Pro Tyr Ile Ser Ile Ala Cys Asp Leu Ile Lys Glu | | |
| 690 | 695 | 700 |
| Thr Lys Leu Ser Ala Glu Pro Ala Pro Asp Phe Ser Asp Tyr Ser Glu | | |
| 705 | 710 | 715 |
| Met Ala Lys Val Glu Gln Pro Val Pro Asp His Ser Glu Leu Val Glu | | |
| | 725 | 730 |
| Asp Ser Ser Pro Asp Ser Glu Pro Val Asp Leu Phe Ser Asp Asp Ser | | |
| | 740 | 745 |
| Ile Pro Asp Val Pro Gln Lys Gln Asp Glu Thr Val Met Leu Val Lys | | |
| | 755 | 760 |
| Glu Ser Leu Thr Glu Thr Ser Phe Glu Ser Met Ile Glu Tyr Glu Asn | | |
| | 770 | 780 |
| Lys Glu Lys Leu Ser Ala Leu Pro Pro Glu Gly Gly Lys Pro Tyr Leu | | |
| 785 | 790 | 795 |
| Glu Ser Phe Lys Leu Ser Leu Asp Asn Thr Lys Asp Thr Leu Leu Pro | | |
| | 805 | 810 |
| Asp Glu Val Ser Thr Leu Ser Lys Lys Glu Lys Ile Pro Leu Gln Met | | |
| | 820 | 825 |
| Glu Glu Leu Ser Thr Ala Val Tyr Ser Asn Asp Asp Leu Phe Ile Ser | | |
| | 835 | 840 |
| Lys Glu Ala Gln Ile Arg Glu Thr Glu Thr Phe Ser Asp Ser Ser Pro | | |
| | 850 | 855 |
| Ile Glu Ile Ile Asp Glu Phe Pro Thr Leu Ile Ser Ser Lys Thr Asp | | |
| 865 | 870 | 875 |
| Ser Phe Ser Lys Leu Ala Arg Glu Tyr Thr Asp Leu Glu Val Ser His | | |
| | 885 | 890 |
| Lys Ser Glu Ile Ala Asn Ala Pro Asp Gly Ala Gly Ser Leu Pro Cys | | |
| | 900 | 905 |
| Thr Glu Leu Pro His Asp Leu Ser Leu Lys Asn Ile Gln Pro Lys Val | | |
| | 915 | 920 |
| Glu Glu Lys Ile Ser Phe Ser Asp Asp Phe Ser Lys Asn Gly Ser Ala | | |
| | 930 | 935 |
| Thr Ser Lys Val Leu Leu Leu Pro Pro Asp Val Ser Ala Leu Ala Thr | | |
| 945 | 950 | 955 |
| Gln Ala Glu Ile Glu Ser Ile Val Lys Pro Lys Val Leu Val Lys Glu | | |
| | 965 | 970 |
| Ala Glu Lys Lys Leu Pro Ser Asp Thr Glu Lys Glu Asp Arg Ser Pro | | |
| | | 975 |

980

985

990

Ser Ala Ile Phe Ser Ala Glu Leu Ser Lys Thr Ser Val Val Asp Leu

995

1000

1005

Leu Tyr Trp Arg Asp Ile Lys Lys Thr Gly Val Val Phe Gly Ala

1010

1015

1020

Ser Leu Phe Leu Leu Leu Ser Leu Thr Val Phe Ser Ile Val Ser

1025

1030

1035

Val Thr Ala Tyr Ile Ala Leu Ala Leu Leu Ser Val Thr Ile Ser

1040

1045

1050

Phe Arg Ile Tyr Lys Gly Val Ile Gln Ala Ile Gln Lys Ser Asp

1055

1060

1065

Glu Gly His Pro Phe Arg Ala Tyr Leu Glu Ser Glu Val Ala Ile

1070

1075

1080

Ser Glu Glu Leu Val Gln Lys Tyr Ser Asn Ser Ala Leu Gly His

1085

1090

1095

Val Asn Cys Thr Ile Lys Glu Leu Arg Arg Leu Phe Leu Val Asp

1100

1105

1110

Asp Leu Val Asp Ser Leu Lys Phe Ala Val Leu Met Trp Val Phe

1115

1120

1125

Thr Tyr Val Gly Ala Leu Phe Asn Gly Leu Thr Leu Leu Ile Leu

1130

1135

1140

Ala Leu Ile Ser Leu Phe Ser Val Pro Val Ile Tyr Glu Arg His

1145

1150

1155

Gln Ala Gln Ile Asp His Tyr Leu Gly Leu Ala Asn Lys Asn Val

1160

1165

1170

Lys Asp Ala Met Ala Lys Ile Gln Ala Lys Ile Pro Gly Leu Lys

1175

1180

1185

Arg Lys Ala Glu

1190

<210> 2

<211> 373

<212> PRT

<213> Homo sapiens

<400> 2

Met Glu Asp Leu Asp Gln Ser Pro Leu Val Ser Ser Ser Asp Ser Pro

1

5

10

15

Pro Arg Pro Gln Pro Ala Phe Lys Tyr Gln Phe Val Arg Glu Pro Glu

20

25

30

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Asp | Glu | Glu | Glu | Glu | Glu | Glu | Glu | Glu | Glu | Glu | Asp | Glu | Asp | Glu | Asp | 35 | 40 | 45 |
| Leu | Glu | Glu | Leu | Glu | Val | Leu | Glu | Arg | Lys | Pro | Ala | Ala | Gly | Leu | Ser | 50 | 55 | 60 |
| Ala | Ala | Pro | Val | Pro | Thr | Ala | Pro | Ala | Ala | Gly | Ala | Pro | Leu | Met | Asp | 65 | 70 | 75 |
| Phe | Gly | Asn | Asp | Phe | Val | Pro | Pro | Ala | Pro | Arg | Gly | Pro | Leu | Pro | Ala | 85 | 90 | 95 |
| Ala | Pro | Pro | Val | Ala | Pro | Glu | Arg | Gln | Pro | Ser | Trp | Asp | Pro | Ser | Pro | 100 | 105 | 110 |
| Val | Ser | Ser | Thr | Val | Pro | Ala | Pro | Ser | Pro | Leu | Ser | Ala | Ala | Ala | Val | 115 | 120 | 125 |
| Ser | Pro | Ser | Lys | Leu | Pro | Glu | Asp | Asp | Glu | Pro | Pro | Ala | Arg | Pro | Pro | 130 | 135 | 140 |
| Pro | Pro | Pro | Pro | Ala | Ser | Val | Ser | Pro | Gln | Ala | Glu | Pro | Val | Trp | Thr | 145 | 150 | 155 |
| Pro | Pro | Ala | Pro | Ala | Pro | Ala | Ala | Pro | Pro | Ser | Thr | Pro | Ala | Ala | Pro | 165 | 170 | 175 |
| Lys | Arg | Arg | Gly | Ser | Ser | Gly | Ser | Val | Val | Val | Asp | Leu | Leu | Tyr | Trp | 180 | 185 | 190 |
| Arg | Asp | Ile | Lys | Lys | Thr | Gly | Val | Val | Phe | Gly | Ala | Ser | Leu | Phe | Leu | 195 | 200 | 205 |
| Leu | Leu | Ser | Leu | Thr | Val | Phe | Ser | Ile | Val | Ser | Val | Thr | Ala | Tyr | Ile | 210 | 215 | 220 |
| Ala | Leu | Ala | Leu | Leu | Ser | Val | Thr | Ile | Ser | Phe | Arg | Ile | Tyr | Lys | Gly | 225 | 230 | 235 |
| Val | Ile | Gln | Ala | Ile | Gln | Lys | Ser | Asp | Glu | Gly | His | Pro | Phe | Arg | Ala | 245 | 250 | 255 |
| Tyr | Leu | Glu | Ser | Glu | Val | Ala | Ile | Ser | Glu | Glu | Leu | Val | Gln | Lys | Tyr | 260 | 265 | 270 |
| Ser | Asn | Ser | Ala | Leu | Gly | His | Val | Asn | Cys | Thr | Ile | Lys | Glu | Leu | Arg | 275 | 280 | 285 |
| Arg | Leu | Phe | Leu | Val | Asp | Asp | Leu | Val | Asp | Ser | Leu | Lys | Phe | Ala | Val | 290 | 295 | 300 |
| Leu | Met | Trp | Val | Phe | Thr | Tyr | Val | Gly | Ala | Leu | Phe | Asn | Gly | Leu | Thr | 305 | 310 | 315 |
| Leu | Leu | Ile | Leu | Ala | Leu | Ile | Ser | Leu | Phe | Ser | Val | Pro | Val | Ile | Tyr | 325 | 330 | 335 |

Glu Arg His Gln Ala Gln Ile Asp His Tyr Leu Gly Leu Ala Asn Lys
340 345 350

Asn Val Lys Asp Ala Met Ala Lys Ile Gln Ala Lys Ile Pro Gly Leu
355 360 365

Lys Arg Lys Ala Glu
370

<210> 3
<211> 199
<212> PRT
<213> Homo sapiens

<400> 3

Met Asp Gly Gln Lys Lys Asn Trp Lys Asp Lys Val Val Asp Leu Leu
1 5 10 15

Tyr Trp Arg Asp Ile Lys Lys Thr Gly Val Val Phe Gly Ala Ser Leu
20 25 30

Phe Leu Leu Leu Ser Leu Thr Val Phe Ser Ile Val Ser Val Thr Ala
35 40 45

Tyr Ile Ala Leu Ala Leu Leu Ser Val Thr Ile Ser Phe Arg Ile Tyr
50 55 60

Lys Gly Val Ile Gln Ala Ile Gln Lys Ser Asp Glu Gly His Pro Phe
65 70 75 80

Arg Ala Tyr Leu Glu Ser Glu Val Ala Ile Ser Glu Glu Leu Val Gln
85 90 95

Lys Tyr Ser Asn Ser Ala Leu Gly His Val Asn Cys Thr Ile Lys Glu
100 105 110

Leu Arg Arg Leu Phe Leu Val Asp Asp Leu Val Asp Ser Leu Lys Phe
115 120 125

Ala Val Leu Met Trp Val Phe Thr Tyr Val Gly Ala Leu Phe Asn Gly
130 135 140

Leu Thr Leu Leu Ile Leu Ala Leu Ile Ser Leu Phe Ser Val Pro Val
145 150 155 160

Ile Tyr Glu Arg His Gln Ala Gln Ile Asp His Tyr Leu Gly Leu Ala
165 170 175

Asn Lys Asn Val Lys Asp Ala Met Ala Lys Ile Gln Ala Lys Ile Pro
180 185 190

Gly Leu Lys Arg Lys Ala Glu
195

<210> 4
<211> 1384

<212> PRT
<213> Homo sapiens

<400> 4

| | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Met | Met | His | Leu | Arg | Leu | Phe | Cys | Ile | Leu | Leu | Ala | Ala | Val | Ser | Gly | |
| 1 | | | 5 | | | | | 10 | | | | | 15 | | | |
| Ala | Glu | Gly | Trp | Gly | Tyr | Tyr | Gly | Cys | Asp | Glu | Glu | Leu | Val | Gly | Pro | |
| | | 20 | | | | | 25 | | | | | 30 | | | | |
| Leu | Tyr | Ala | Arg | Ser | Leu | Gly | Ala | Ser | Ser | Tyr | Tyr | Ser | Leu | Leu | Thr | |
| | 35 | | | | | 40 | | | | | | 45 | | | | |
| Ala | Pro | Arg | Phe | Ala | Arg | Leu | His | Gly | Ile | Ser | Gly | Trp | Ser | Pro | Arg | |
| | 50 | | | | | 55 | | | | | 60 | | | | | |
| Ile | Gly | Asp | Pro | Asn | Pro | Trp | Leu | Gln | Ile | Asp | Leu | Met | Lys | Lys | His | |
| 65 | | | | | 70 | | | | | 75 | | | | | 80 | |
| Arg | Ile | Arg | Ala | Val | Ala | Thr | Gln | Gly | Ser | Phe | Asn | Ser | Trp | Asp | Trp | |
| | | | 85 | | | | | | 90 | | | | | 95 | | |
| Val | Thr | Arg | Tyr | Met | Leu | Leu | Tyr | Gly | Asp | Arg | Val | Asp | Ser | Trp | Thr | |
| | | 100 | | | | | | 105 | | | | | 110 | | | |
| Pro | Phe | Tyr | Gln | Arg | Gly | His | Asn | Ser | Thr | Phe | Phe | Gly | Asn | Val | Asn | |
| | | 115 | | | | | 120 | | | | | 125 | | | | |
| Glu | Ser | Ala | Val | Val | Arg | His | Asp | Leu | His | Phe | His | Phe | Thr | Ala | Arg | |
| | 130 | | | | | 135 | | | | | | 140 | | | | |
| Tyr | Ile | Arg | Ile | Val | Pro | Leu | Ala | Trp | Asn | Pro | Arg | Gly | Lys | Ile | Gly | |
| 145 | | | | | 150 | | | | | 155 | | | | | 160 | |
| Leu | Arg | Leu | Gly | Leu | Tyr | Gly | Cys | Pro | Tyr | Lys | Ala | Asp | Ile | Leu | Tyr | |
| | | | 165 | | | | | | 170 | | | | | 175 | | |
| Phe | Asp | Gly | Asp | Asp | Ala | Ile | Ser | Tyr | Arg | Phe | Pro | Arg | Gly | Val | Ser | |
| | | 180 | | | | | | 185 | | | | | 190 | | | |
| Arg | Ser | Leu | Trp | Asp | Val | Phe | Ala | Phe | Ser | Phe | Lys | Thr | Glu | Glu | Lys | |
| | | 195 | | | | | 200 | | | | | 205 | | | | |
| Asp | Gly | Leu | Leu | Leu | His | Ala | Glu | Gly | Ala | Gln | Gly | Asp | Tyr | Val | Thr | |
| | 210 | | | | | 215 | | | | | 220 | | | | | |
| Leu | Glu | Leu | Glu | Gly | Ala | His | Leu | Leu | Leu | His | Met | Ser | Leu | Gly | Ser | |
| 225 | | | | | 230 | | | | | 235 | | | | | 240 | |
| Ser | Pro | Ile | Gln | Pro | Arg | Pro | Gly | His | Thr | Thr | Val | Ser | Ala | Gly | Gly | |
| | | | 245 | | | | | | 250 | | | | | | | |